

# Receiving Report

Date: 17-6-1

Batch No: 13768D

Supplier: Aviall

Dart P/O: 36441

Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr   
 New Supplier Yes  No

Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No   
 Shipment Complete: Yes  No  N/A   
 QC18 Inspection \_\_\_\_\_  
 Work Order \_\_\_\_\_

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date \_\_\_\_\_

Location \_\_\_\_\_

Received/Costing \_\_\_\_\_

Initial \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO36471**

Purchase Order Date 5/29/2017

PO Print Date 5/29/2017

Page Number 1 of 7

Order From :

AVIALL  
PO BOX 842275

VU-AVI003

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**E-MAILED**

DALLAS, TX 75284-2275  
USA

*m137680*

Contact Name  
Vendor Phone 905-676-1695

Buyer Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB EXW - (Ex Works)

Ship To Contact  
Ship To Phone  
Ship Via: FedEx Overnight collect  
Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
				Promise Date			
1	101005-4CR-0080	Oil Drain Line	6/6/2017 Yes	FN 6/6/2017	7.00 Each	\$131.31	\$919.17
		AS PER DWG D5373 REV. D B162132				<b>Line Total:</b>	<b>\$919.17</b>
2	101005-4CR-0150	Oil Drain Line	6/6/2017 Yes	FN 6/6/2017	5.00 Each	\$141.40	\$707.00
		AS PER DWG D5373 REV. D B162133				<b>Line Total:</b>	<b>\$707.00</b>
3	101005-4CR0170	Oil Drain Line	6/6/2017 Yes	FN 6/6/2017	5.00 Each	\$146.22	\$731.10
		AS PER DWG D5373 REV. D B162134					

PO Instructions: Fedex Acc#151793240

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36471**

Purchase Order Date 5/29/2017

PO Print Date 5/29/2017

Page Number 2 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905-676-1695

**Buyer** Chantal Lavoie

**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** USD  
**FOB** EXW - (Ex Works)

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** FedEx Overnight collect  
**Ship Acct:**

**Line Total:** **\$731.10**

4	101062B0190CR270	Oil Drain Line	6/6/2017 FN Yes 6/6/2017	5.00 Each	\$224.53	\$1,122.65
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AS PER DWG D5373 REV. D  
B162135

**Line Total:** **\$1,122.65**

5	AN526-1032R12	Screw	6/6/2017 FN Yes 6/6/2017	100.00 Each	\$0.11	\$11.00 6.00
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326.

6	AN970-3	Washer	6/6/2017 FN Yes 6/6/2017	100.00 Each	\$0.05	\$4.80
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**Line Total:** **\$11.00**

**Line Total:** **\$4.80**

**PO Instructions:** Fedex Acc#151793240

**Note:**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO36471**

Purchase Order Date 5/29/2017  
PO Print Date 5/29/2017

Page Number 3 of 7

**Order From :**

AVIALL  
PO BOX 842275

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DALLAS, TX 75284-2275  
USA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905-676-1695	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	FedEx Overnight collect	Currency	USD
Ship Acct:		FOB	EXW - (Ex Works)
7 NAS6604D16	Bolt	6/6/2017 FN Yes 6/6/2017	100.00 Each  Line Total: \$108.00
8 AN4-13A	Bolt	6/6/2017 FN Yes 6/6/2017	100.00 Each  Line Total: \$18.00
9 AN4-42A	Bolt	6/6/2017 FN Yes 6/6/2017	20.00 Each  Line Total: \$18.00
10 AN5-10A	Bolt	6/6/2017 FN Yes 6/6/2017	50.00 Each  Line Total: \$19.40

**PO Instructions:** FedEx Acc#151793240

Note:

SOFT 6-1



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Hawkesbury, ON K6A 1K7  
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## PURCHASE ORDER

Purchase Order ID PO36471

Purchase Order Date 5/29/2017  
PO Print Date 5/29/2017

Page Number 4 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905-676-1695

**Buyer** Chantal Lavoie

**Customer POID** 10127-2607

**Customer Tax #** Net 30

**Terms** USD

**Currency** EXW - (Ex Works)

**FOB**

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** FedEx Overnight collect  
**Ship Acct:**

11 AN5-12A

Bolt

6/6/2017 FN

Yes

6/6/2017

50.00

Each

**Line Total:**

\$12.50

\$0.28

\$14.00

12 MS21042L3

Nut

6/6/2017 FN

Yes

6/6/2017

1,000.00

Each

**Line Total:**

\$14.00

\$0.14

\$140.00

13 MS21042L4

Nut

6/6/2017 FN

Yes

6/6/2017

1,000.00

Each

**Line Total:**

\$140.00

\$0.17

\$170.00

**PO Instructions:** Fedex Acc#151793240

**Note:**



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Tel: 613 632 9577  
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Purchase Order ID **PO36471**

Purchase Order Date 5/29/2017  
PO Print Date 5/29/2017

Page Number 5 of 7

Order From :

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905-676-1695

Buyer Chantal Lavoie  
Customer POID 10127-2607  
Customer Tax #  
Terms Net 30  
Currency USD  
FOB EXW - (Ex Works)

Ship To Contact  
Ship To Phone  
Ship Via: FedEx Overnight collect  
Ship Acct:

14	MS21071L3	ANCHOR NUT	6/6/2017 Yes 6/6/2017	20.00 Each	\$0.53	\$10.60
15	NAS1149F0663P	WASHER	6/6/2017 Yes 6/6/2017	200.00 Each	\$0.02	\$4.10
16	MS24693-C278	Screw	6/6/2017 Yes 6/6/2017	100.00 Each	\$0.15	\$15.00
17	AN3C21A	Bolt	6/6/2017 Yes 6/6/2017	20.00 Each	\$0.81	\$16.20

PO Instructions: Fedex Acc#151793240

Note:

SPF-61



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO36471**

Purchase Order Date 5/29/2017

PO Print Date 5/29/2017

Page Number 6 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905-676-1695

**Buyer** Chantal Lavoie

**Customer POID** 10127-2607

**Customer Tax #** Net 30

**Terms**

**Currency** USD

**FOB** EXW - (Ex Works)

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** FedEx Overnight collect  
**Ship Acct:**

18 71400-11

515X349 PRIMER  
DESOTO

6/6/2017

2.00

**Line Total:**

**\$16.20**

Yes

Each

\$282.26

**\$564.52**

6/6/2017

19 71401-45

PROCUREMENT  
QUALITY CLAUSES

6/6/2017

1.00

**Line Total:**

**\$564.52**

No

\$0.00

**\$0.00**

6/6/2017

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A015 SHELF LIFE CONTROLLED MATERIAL 60%

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

**PO Instructions:** Fedex Acc#151793240

**Note:**

5/29/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO36471**

Purchase Order Date 5/29/2017

PO Print Date 5/29/2017

Page Number 7 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905-676-1695

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** USD  
**FOB** EXW – (Ex Works)

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** FedEx Overnight collect  
**Ship Acct:**

**Line Total:** **\$0.00**

**PO Total:** **\$4,588.04**

**PO Instructions:** Fedex Acc#151793240

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 3

**Change Date:** 5/29/2017

## BOX CONTENT LIST



PAGE: 1 of 3  
DATE: 05/31/2017  
TIME: 17:03:08

CUSTOMER PO:PO36471  
ORDER NUMBER:8004530308

ODO: 310006195704

ROUTE: FDXIPA

Handling Unit: 110000000504949542  
Packed at WorkCenter: SI04

B CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S CU10003952  
H DART AEROSPACE LTD  
1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P PO Box 619048  
F DFW AIRPORT TX 75261  
R USA

TO

TO

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P PO Box 619048  
F DFW AIRPORT TX 75261  
R USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM		
00050		28	AN970-3=28 WASHER: FLT,ST BATCH 7364473828 Exp Date:	100	100	EA		
00060		28	NAS6604D16=28 BOLT: HEX HD,SHEAR,ST BATCH 7364392536 Exp Date:	100	100	EA		
00070		28	AN4-13A=28 BOLT: HEX HD,ST BATCH 7364463339 Exp Date:	100	100	EA		
00080		28	AN4-42A=28 BOLT: HEX HD,ST BATCH 7364430230 Exp Date:	20	20	EA		
00090		28	AN5-10A=28 BOLT: HEX HD,ST BATCH 7364458681 Exp Date:	50	50	EA		

Q1761

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## CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.  
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR ACT OF 1938 AMENDED.

## BOX CONTENT LIST



PAGE: 2 of 3  
DATE: 05/31/2017  
TIME: 17:03:08

CUSTOMER PO:PO36471  
ORDER NUMBER:8004530308

ODO: 310006195704

ROUTE: FDXIPA

Handling Unit: 110000000504949542

Packed at WorkCenter: SI04

B CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S 1000  
SHIP AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
PO Box 619048  
DFW AIRPORT TX 75261  
FROM USA

L  
L  
T  
O

TO

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM		
00100		28	AN5-12A=28 BOLT: HEX HD,ST BATCH 7364435442 Exp Date:	50	50	EA		
00110		28	MS21042L3=28 NUT: SELF-LKG,ST BATCH 7364546660 Exp Date:	1,000	50	EA		
00120		28	MS21042L4=28 NUT: SELF-LKG,ST BATCH 7364499269 Exp Date:	1,000	1,000	EA		
00130		28	MS21071L3=28 NUTPLATE: SELF-LKG,ST BATCH 7364357039 Exp Date:	50	50	EA		
00140		28	NAS1149F0663P=28 WASHER: FLT,ST BATCH 7364438983 Exp Date:	200	200	EA		

*SP 176*  
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# BOX CONTENT LIST



ODO: 310006195704

CUSTOMER PO:PO36471  
ORDER NUMBER:8004530308

PAGE: 3 of 3  
DATE: 05/31/2017  
TIME: 17:03:08



Handling Unit: 110000000504949542

Packed at WorkCenter: SI04

B CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S CU10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P PO Box 619048  
F DFW AIRPORT TX 75261  
R USA

L  
L  
T  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00150		28	MS24693C278=28 SCREW: CSK,FLT HD,MACHINE,SS	100	100	EA
00160		28	BATCH 7364508888 AN3C21A=28 BOLT: HEX HD,SS	20	100 20	EA
			BATCH 7364446275 Exp Date:		20	

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FEE.

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THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.



ODO: 310006198578

PAGE: 1 of 1  
DATE: 05/31/2017  
TIME: 12:13:22CUSTOMER PO:PO36471  
ORDER NUMBER:8004531521

ROUTE: FDXIPA



Handling Unit: 110000000504928608

Packed at WorkCenter: SE03

**B** CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

**S** CU10003952  
**H** DART AEROSPACE LTD  
**I** 1270 ABERDEEN STREET  
**P** HAWKESBURY ON K6A 1K7  
CANADA  
**T** O

**S** 1000  
**H** AVIALL CENTRAL WAREHOUSE  
**I** DALLAS CDC  
**P** PO Box 619048  
DFW AIRPORT TX 75261  
**F** ROM  
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00180	28	AN526-1032R12-28	SCREW: PAN HD, MACHINE, ST	100	100	EA

BATCH 7364462505      Exp Date: 100

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AV20 RS-06

JR Hofmann, Director, Global Quality

05/31/2017  
Date

CUSTOMER COPY



CUSTOMER PO:PO36471  
ORDER NUMBER:1003140901  
ORDER DATE:30MAY17

DELIVERY NUMBER: 8004530309

ROUTE: US FedEx International Priority

PAGE:1 of 1  
DATE:31MAY17  
TIME:14:00:14  
EMP:00000000

ORD TYP: ZOR 169  
CURRENCY:USD

TERMS:Net 30

B 10003952  
L DART AEROSPACE LTD  
T 1270 ABERDEEN STREET  
O HAWKESBURY ON K6A 1K7  
D CANADA

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	5N	515X349GLKIT PRIMER: EXTERIOR,A/B,GL BATCH 7364521224 Exp Date :31JAN19	2	2	0	KIT		293.55	587.10

SO FT 64

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*DP-H*  
DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
RETURNED MERCHANDISE SUBJECT TO HANDLING  
FEE.

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.

AV20 RS-06

JR Hofmann, Director, Global Quality

31MAY17  
Date

CUSTOMER COPY

# PACKING LIST



PAGE:1 of 1  
 DATE:31MAY17  
 TIME:12:14:47  
 EMP:00000000  
 ORD TYP: ZOR 169  
 CURRENCY:USD  
 TERMS:Net 30

CUSTOMER PO:PO36471  
 ORDER NUMBER:1003140901  
 ORDER DATE:30MAY17

DELIVERY NUMBER: 8004531521

ROUTE: US FedEx International Priority

B 10003952  
 DART AEROSPACE LTD  
 1270 ABERDEEN STREET  
 HAWKESBURY ON K6A 1K7  
 CANADA

S 10003952  
 DART AEROSPACE LTD  
 1270 ABERDEEN STREET  
 HAWKESBURY ON K6A 1K7  
 CANADA

S 1000  
 AVIALL CENTRAL WAREHOUSE  
 DALLAS CDC  
 2750 REGENT BLVD  
 DFW AIRPORT TX 75261  
 USA

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TO

FROM

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	28	AN526-1032R12 SCREW: PAN HD, MACHINE, ST BATCH 7364462505	100	100	0	EA		0.06	6.00

**This is not an Invoice.  
 For payment processing, please refer to Invoice.**

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.  
 Diversion contrary to U.S. Law is prohibited.

## CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

31MAY17  
 Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
 RETURNED MERCHANDISE SUBJECT TO HANDLING  
 FEE.

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
 THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
 AMENDED.

CUSTOMER COPY



CUSTOMER PO:PO36471  
ORDER NUMBER:1003140901  
ORDER DATE:30MAY17

DELIVERY NUMBER: 8004530308

ROUTE: US FedEx International Priority

B 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S 1000  
AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

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TO

FROM

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	28	AN970-3 WASHER: FLT,ST BATCH 7364473828	100	100	0	EA		4.80	4.80
00020	0	28	NAS6604D16 BOLT: HEX HD,SHEAR,ST BATCH 7364392536	100	100	0	EA		1.08	108.00
00030	0	28	AN4-13A BOLT: HEX HD,ST BATCH 7364463339	100	100	0	EA		0.18	18.00
00040	0	28	AN4-42A BOLT: HEX HD,ST BATCH 7364430230	20	20	0	EA		0.97	19.40
00050	0	28	AN5-10A BOLT: HEX HD,ST BATCH 7364458681	50	50	0	EA		0.25	12.50
00060	0	28	AN5-12A BOLT: HEX HD,ST	50	50	0	EA		0.28	14.00

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SO17-6-1

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 31MAY17  
Date

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AMENDED.

CUSTOMER COPY



PAGE:2 of 3 .  
DATE:31MAY17  
TIME:17:04:12  
EMP:00000000

ORD TYP: ZOR 169

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:PO36471  
ORDER NUMBER:1003140901  
ORDER DATE:30MAY17

DELIVERY NUMBER: 8004530308

ROUTE: US FedEx International Priority

B 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
CANADA

S 1000  
AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
P 2750 REGENT BLVD  
DFW AIRPORT TX 75261  
F USA

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O  
M

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00070	0	28	BATCH 7364435442 MS21042L3 NUT: SELF-LKG,ST	1,000	✓ 50 1,000	0	EA	0.14	✓ 140.00
00080	0	28	BATCH 7364546660 MS21042L4 NUT: SELF-LKG,ST	1,000	✓ 1,000 1,000	0	EA	0.17	✓ 170.00
00090	0	28	BATCH 7364499269 MS21071L3 NUTPLATE: SELF-LKG,ST	50	✓ 50 1,000	0	EA	0.31	✓ 15.50
00100	0	28	BATCH 7364357039 NAS1149F0663P WASHER: FLT,ST	200	✓ 50 200	0	EA	0.03	✓ 6.00
00110	0	28	BATCH 7364438983 MS24693C278 SCREW: CSK,FLT HD,MACHINE,SS	100	✓ 200 100	0	EA	0.15	✓ 15.00
			BATCH 7364508888		100				

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For payment processing, please refer to Invoice.

*SPH-6-1.*

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*JR Hofmann*

JR Hofmann, Director, Global Quality

31MAY17  
Date

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FEE.

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AMENDED.

CUSTOMER COPY

## PACKING LIST



PAGE:3 of 3

DATE:31MAY17

TIME:17:04:12

EMP:00000000

ORD TYP: ZOR 169

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:PO36471  
ORDER NUMBER:1003140901  
ORDER DATE:30MAY17

DELIVERY NUMBER: 8004530308

ROUTE: US FedEx International Priority

B 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
CANADA

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA

TO

TO

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00120	0	✓28	AN3C21A BOLT: HEX HD,SS BATCH 7364446275	20	✓20	0	EA	0.81	✓ 16.20

SOH 6-1

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JR Hofmann, Director, Global Quality

31MAY17  
Date

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CUSTOMER COPY



A BOEING COMPANY

# Commercial Invoice

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

Government Transaction Number	NOEEI FTR 30.36
Delivery Number	8004530309
Commercial Invoice Number	9305645095
Ship Date	31 May, 2017
Incoterms	EXW Shipping Point

Sold To  DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee  DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To  DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder  FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
Comments: Tax Number: 20-4734803							

Item	Part Number & Description  515X349GLKIT - PRIMER: EXTERIOR,A/B,GL Export Tariff: 3907300000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364521224	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
170		US	2 ✓	KIT	293.55	587.10



# Commercial Invoice

A BOEING COMPANY

Delivery Number 8004530309	Commercial Invoice Number 9305645095
-------------------------------	---

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

Gross Value	587.10
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	587.10

**FOR CUSTOMS PURPOSES ONLY  
NOT A BILLING INVOICE**

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end user(s) here in identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

8/14/64



# Commercial Invoice

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

Tracking Number	Delivery Number
722544828090	8004531521
Ship From	Commercial Invoice Number
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA	9305644204
Ship Date	31 May, 2017
Incoterms	EXW Shipping Point

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
Tax Number: 20-4734803							

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
180	AN526-1032R12 - SCREW: PAN HD,MACHINE,ST Export Tariff: 7318159000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364462505	US	100	EA	0.06	6.00

SOF-61



A BOEING COMPANY

# Commercial Invoice

Delivery Number 8004531521	Commercial Invoice Number 9305644204
-------------------------------	---

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

Gross Value	6.00
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	6.00

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# Commercial Invoice

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

Government Transaction Number  
**NOEEI FTR 30.36**

Tracking Number	Delivery Number
722544832200	8004530308
Ship From	Commercial Invoice Number
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA	9305648161
Ship Date	31 May, 2017
Incoterms	EXW Shipping Point

Sold To  DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee  DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To  DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder  FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
Tax Number: 20-4734803							

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
50	AN970-3 - WASHER: FLT,ST Export Tariff: 7318220000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364473828	US	100	EA	0.05	4.80
60	NAS6604D16 - BOLT: HEX HD,SHEAR,ST Export Tariff: 7318152000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364392536	US	100	EA	1.08	108.00
70	AN4-13A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364463339	US	100	EA	0.18	18.00

817-61



# Commercial Invoice

Delivery Number 8004530308	Commercial Invoice Number 9305648161
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Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
80	AN4-42A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364430230	US	20	EA	0.97	19.40
90	AN5-10A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364458681	US	50	EA	0.25	12.50
100	AN5-12A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364435442	US	50	EA	0.28	14.00
110	MS21042L3 - NUT: SELF-LKG,ST Export Tariff: 7318160000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364546660	US	1,000	EA	0.14	140.00
120	MS21042L4 - NUT: SELF-LKG,ST Export Tariff: 7318160000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364499269	US	1,000	EA	0.17	170.00
130	MS21071L3 - NUTPLATE: SELF-LKG,ST Export Tariff: 7318160000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364357039	IT	50	EA	0.31	15.50
140	NAS1149F0663P - WASHER: FLT,ST Export Tariff: 7318220000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364438983	US	200	EA	0.03	6.00

SP/7-61



# Commercial Invoice

Delivery Number

8004530308

Commercial Invoice Number

9305648161

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
150	MS24693C278 - SCREW: CSK,FLT HD,MACHINE,SS Export Tariff: 7318159000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364508888	US	100	EA	0.15	15.00
160	AN3C21A - BOLT: HEX HD,SS Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003140901 PO: PO36471 Batch Number: 7364446275	US	20	EA	0.81	16.20



Gross Value	539.40
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	539.40

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NOT A BILLING INVOICE**

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## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper AVIALL SERVICES INC 2750 REGENT BLVD DFW AIRPORT, TX, 75261 U.S.A.		Air Waybill No. 722544829681 Page 1 of 1 Pages Shipper's Reference Number 8004530309 (optional)					
Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON, K6A 1K7 Canada		Created using International Air regulations and FedEx carrier variations.  <b>LABELMASTER<sup>®</sup> SOFTWARE</b>					
Two completed and signed copies of this declaration must be handed to the operator.		WARNING  Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.					
<b>TRANSPORT DETAILS</b>  This shipment is within the limitations prescribed for: (delete non-applicable)		Airport of Departure:					
<input checked="" type="checkbox"/> PASSENGER AND CARGO AIRCRAFT ONLY		CARGO AIRCRAFT ONLY					
Airport of Destination:		Shipment type: (delete non-applicable)  NON-RADIOACTIVE <input checked="" type="checkbox"/> RADIOACTIVE <input checked="" type="checkbox"/>					
<b>NATURE AND QUANTITY OF DANGEROUS GOODS</b>							
Dangerous Goods Identification							
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing		Packing Inst.	Authorization
UN1263	Paint	3	II	1 Fibreboard Box x 16 L		364	<i>SP 11-6-1</i>
Additional Handling Information ICAO ERG CODE 3L (UN1263). Emergency Contact Name: CCN2132 . 24 hr. Emergency Contact Tel. No. 1-800-424-9300 // INTL +1-703-527-3887							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.				Name/Title of signatory Robert Reid Hazardous Shipper Place and Date Dallas Tx, 75261 5/31/2017 Signature <i>Robert Reid</i> (see warning above)			

PRC-DeSoto International, Inc.  
A PPG Industries Company

PRC DESOTO INTL-ASC DALLAS  
2750 114th Street, Suite 400  
Grand Prairie, TX 75050  
UNITED STATES  
Phone: 817-640-1067  
Fax: 817-640-1058

Remarks: SPEC-AVIALL/ROJEAN 972-586-1314

# Certificate of Conformance

## Pick Ticket

Order Date: 03/29/17  
Cust. No.: DA090713  
Terms: net30  
Cust. P.O.: 45593819



Site: 3723US

Pack List #: S1342170

CSR: DA508 Transaction Type:  
Shipment Terms:

DS-PO#:

Shipvia: SEE BELOW

Ship To 00030970

AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
ATTN: RECEIVING DOCK 15-18  
DFW AIRPORT, TX 75261  
UNITED STATES

ITEM 515X349GLKIT=5N



BATCH 7364521224

AFULTS

04/07/17

Line	Qty Ordered	UM	Description	Req Date	Due Date	Promise Date	Qty to Ship	Qty Picked
------	-------------	----	-------------	----------	----------	--------------	-------------	------------

NEVER ADD FRT TO INVOICE, MUST SHIP COLLECT  
FEDEX GROUND COLLECT ACCT #123985630  
IF 150 LBS OR MORE FEDEX FREIGHT COLLECT (ACCT# 532626056)  
DO NOT SHIP PARTIAL LINES! \*\*\* MSDS REQUIRED WITH EACH SHIPMENT \*\*\*  
MUST HAVE 75% SHELF LIFE.  
EDGE PROTECTORS REQUIRED

10 155 EA

1828B1/4AM654SK 03/30/17 03/30/17 03/30/17

AMS 3277 TY 2 CL B 1/4

PR 1828 B 1/4 654SK

SPEC: AMS 3277 REV J TY 2 CL B-1/4 GR 1

Customer Item: PR1828B1-4=5N

Lot No: 921918

\*Location: RACK 16

Expires After: 8/17

Lot No: 971231

\*Location: rack 16

Expires After: 10/17

In compliance with the chemical registration laws of UNITED STATES

10 33 EA

0515X349XXIKG22K 03/30/17 03/30/17 03/30/17

BMS1079/DMS2144/DHMS/VMS

515X349/910X533 GL KIT

SPEC: DESOTO STD PRIMER REV ORG

Customer Item: 515X349GLKIT=5N

DESO TO STD ONLY

ANY OTHER SPEC WILL BE REJECTED

Lot No: 98066828

\*Location: flm-17c

- 515X349 001

Batch: 1032002

1-24  
1-11  
S.L.

35 35  
120 120

5-24

16-2  
1-1

33 33

33017

Shipped by

PPG Aerospace/PRC DeSoto International certifies that the above material has been manufactured, tested and conforms to all requirements in accordance with applicable specifications. All test data pertaining to batch acceptance requirements defined by the specification for this material is on file and available for inspection on request. For Non-US PPG Customers, we can only offer Technical Data/Test Reports for any ITAR restricted specifications with valid US export authorization.

*Billy Guy*

SH6

QC29

Quality  
Control



P.O. BOX 259  
PALESTINE, TX 75802-0259

PH: (903)729-3131  
Quality FAX: (903)729-1217  
www.etaglobal.com

## Packing Slip

354359-000

Page 1 of 1

Ship Date:

ISO9001:2008  
AS9100 Rev C  
Certificate NO. C0023281

Sold to: 8418

Ship to:

AVIALL SERVICES (CONTRACT)  
ATTN: ACCOUNTS PAYABLE  
PO BOX 619048  
DALLAS, TX 75261  
UNITED STATES

AVIALL SERVICES (CONTRACT)  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261  
UNITED STATES

Customer P.O.	Department		Message
45540799	500		FEDEX 0752-6857-2
Payment terms	Salesper 2	B P	Ship via
1%10NET30	#####	Y Y	Freight terms Fed X grnd COLLECT

0010 2500 EACH AN526-1032R12  
SCREW, MACHINE, TRUSS HEAD

Control #: 48975100-04-01 2500  
Mfg Lot #: 88632  
MFG: CRESCENT MANUFACTURING CO  
Country of origin: UNITED STATES

ITEM AN526-1032R12-28



BATCH 7364462505

LRAMSEY  
01/25/17

ETA certifies the products furnished on the above referenced order have been manufactured in accordance with all applicable part numbers, specifications, and descriptions. This statement is supported by a Certificate of Conformance and/or Chemical/Physical report of raw material on file at ETA or place of manufacture/supply subject to examination with proper notice (additional costs may be incurred.)

Quality Control Authority Christi Alverson #2 Date: 1/5/17 **ETA**

IMPORTANT NOTICE: LIMITATION OF REMEDIES: If this product is proved to be defective, the exclusive remedy available and ETA's only obligation shall be to replace such quantity of this product which is proved to be defective or to refund the purchase price paid for this product. ALL CLAIMS FOR DEFECTIVE MATERIAL ARE WAIVED UNLESS MADE IN WRITING WITHIN 30 DAYS FROM THE DATE OF SHIPMENT.

LIMITATION OF LIABILITIES: ETA shall not be liable for any damages, including incidental and/or consequential damage, regardless of the legal theory asserted, including negligence and/or strict liability.

Before using, User shall determine the suitability of the product for intended use. User assumes all risk and liability whatsoever in connection therewith. CHECK CAREFULLY - Reference must be made to our delivery receipt register number when making claims or request for adjustment. ALL RETURNS SUBJECT TO APPROVAL OF SELLER TO RETURN.

The foregoing limitation of remedies and liabilities may not be altered unless in writing signed by the President of ETA GLOBAL, INC.

Distribution/Manufacturing software provided by Rennie, Lindsey and Associates, Inc. Mention promo code 004189 at [www.ria-assist.com/promo.html](http://www.ria-assist.com/promo.html)

01-05-17 11:18 AM

Nº 88632

# CERTIFICATE OF COMPLIANCE TEST REPORT

FORM REV A 11/09

MADE IN THE U.S.A.

CUSTOMER NAME ETA GLOBAL

PART NO. AN526-1032R12 REV 6

PURCHASE ORDER NO. 489751

INTERNAL ROUTING NO. 40735

QUANTITY TWENTY FIVE THOUSAND

MATERIAL/SPECIFICATION .176 1018 STL WIRETECH I-W41389

DATE 4/27/2015



ETA CL# 48975100-04-01

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND  
INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND  
SPECIFICATIONS.

PHYSICAL PROPERTIES		
TENSILE STRENGTH	HARDNESS	SCALE
1) 1396.9 LB T	1)	
2) 1432.9 LB T	2)	
3) 1404.8 LB T	3)	
4) 1405.0 LB T	4)	
5) 1401.7 LB T	5)	
6)	6)	
7)	7)	
8)	8)	

#### OTHER TESTING:

CONFORMS TO THE PROCUREMENT SPECIFICATIONS OF:

FF-S-928

#### OTHER MECHANICAL TEST DATA

MEET MAGNETIC PERMEABILITY REQUIREMENTS OF  
FF-S-92B, MIL-I-17214B, AND ASTM A342/A 342M TEST  
METHOD 3.

PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION.  
PART(S) COVERED UNDER THIS CERTIFICATION ARE CONFLICT MINERAL FREE  
AND IS/ARE IN COMPLIANCE WITH THE DODD-FRANK ACT.  
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY.

#### FINISH

CAD TYPE I CLASS 3 PER AMS QQ-P-416 REV C

INSPECTED TO ZERO ACCEPTANCE SAMPLE / INDEX VALUE 2.5

ADDITIONALLY, AN ANSI/ASQC Z 1.4 SAMPLE OF THE  
FINISHED FASTENERS WERE TESTED IN ACCORDANCE WITH  
APPLICABLE SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA  
ARE IN OUR RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE  
AND WILL BE HELD AS REQUIRED.

CRESCENT MANUFACTURING OPERATING. CO.



Signature   
TRACEY NIKSA, QC TECH  
Code Code #63020  
700 George Washington Turnpike, Burlington, CT 06013, U.S.A.  
Telephone: (860) 673-2591 Fax: (860) 673-5973



**MAC FASTENERS, INC.  
1110 ENTERPRISE  
OTTAWA, KANSAS 66067**

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

**CUSTOMER: BILD INDUSTRIES**

**PO: 87465**

**PART NUMBER: AN3C21A**

**REV: 3**

**LOT NUMBER: 81520**

**MANUFACTURED QUANTITY: 2,875**

**MILL HEAT NUMBER: 575031**

**COUNTRY OF ORIGIN: UNITED STATES OF AMERICA**

**DFARS 252.225.7009 Compliant**

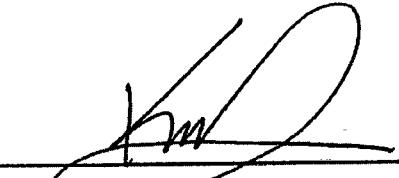
**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number  
do not contain Mercury or Mercury compounds, and were  
manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC  
FASTENERS within the United States, and were processed in accordance with all applicable drawings and  
specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4  
Mac Fasteners is an Airbus approved Supplier - 203399

**DATE: 10/16/15**

  
**QUALITY ASSURANCE REPRESENTATIVE**



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

**Packing Slip** Original

Invoice #: 148046

Invoice Date: 1/12/2017

Time: 2:19:55 PM

Page: 1

**To:**

AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**

AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45571469

Terms: NET 30

Order Date: 12/22/2016

# of Items: 1

Ship Via: FED EX MOTOR FRESHIP Via Acc:

Weight: 385

Prepared By:

Sales Order: 121675

# of Boxes: 14

Ship Order:

Customer #: 15195

VAT #:

Ship Date: 1/12/2017

Buyer: REJOE JACOB

FOB:

Cust VAT #:

Shipment:

WO #:

AWB:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
2	AN5-10A BOLT, AN Loc/Whse: Control #: 154766-1 L-26353  1. 50 PC PER PACK 2. 50 PC PER PACK	3500	0	NE				EA	



SRL  
01/2

C OF C ENCLOSED  
14 BOXES 385 LBS  
INV# 148046-148054 ARE SHIPPING TOGETHER  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

### CERTIFICATE OF CONFORMANCE

#### AVIALL

I hereby certify that on 01/12/17 Airfasco Industries provided the supplies called for by Contract/PO Number 45571469 in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN5-10A	26353	3500			



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

Packing Slip Original

Invoice #: 147663

Invoice Date: 12/9/2016

Time: 1:59:49 PM

Page: 1

To:  
AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

Ship To:  
AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45558434

Terms: NET 30

Ship Via: FED EX GROUND

Ship Via Acc: 123985630

Order Date: 12/5/2016

# of Items: 1

# of Boxes: 1

Weight: 34

Prepared By:

Sales Order: 121420

Ship Log #: 1

Ship Order:

Customer #: 15195

VAT #:

Cust VAT #:

Ship Date: 12/9/2016

Buyer: REJOE JACOB

FOB:

AWB:

Shipment:

WO #:

Item	Part Number/Description	Shipped	BackOrd	CD				UOM
1	AN4-42A BOLT, AN Loc/Whse: 3C6 ECK PLATING Control #: 125579-1 L-12810  5 PC PER PACK	500	0	NE				EA

ITEM AN4-42A=28



AHENRY  
12/14/16

C OF C ENCLOSED  
1 BOX 34 LBS  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## **CERTIFICATE OF CONFORMANCE**

AVIALL AEROSPACE

I hereby certify that on 12/09/16 Airfasco Industries provided the supplies called for by Contract/PO Number 45558434 in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

### Quality Assurance Representative

WM. DENT



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## PACKING SLIP

Print Date : Sep-07-2016 7:38 AM

Printed By : WBSH Print No. : 2

**No. 088638**

Pg:1/1

Ship To : [1]		For : Account No. [AVIALL-DALLA]	
AVIALL CENTRAL WAREHOUSE Attn: RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994		AVIALL Attn: SEDRICK CLARK 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994	
S.O. No. : 063228	Our Ref :	Domestic AW :	
Cust P.O. : 0045493152	Your Ref :	Int'l AWB :	
Picked On : Aug-08-2016	Spec Inst :	Origin :	
Shipped On : Sep-05-2016	Contract :	Transpor :	
Ship Via : DROP OFF	Lic No. :	Nationali :	
F.O.B. : DESTINATION	Expires :	Trip/Flig :	
Terms : NET 30			
Our Contact : MERLE LANGTON			

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
1	MS21071L3 UID:149165  Rev: 1 Note: NUTPLATE: SELF-LKG,ST PG:50 PER LOT #: 56579 REV: 1 MFG: PAOLO ASTORI CAGE CODE: A3856	DF1	2,000.00	2,000.00 EA	0.00	

UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

ITEM MS21071L3=28  
  
BATCH 7364357039

BHORTON  
09/13/16



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## CERTIFICATE OF CONFORMANCE

Print Date : Sep-07-2016 7:38 AM

Printed By:WBSH Print No. : 3

**No. : 088638**

Pg:1/1

<b>Sold To : Account No. [AVIALL-DALLA]</b>		<b>Shipped To :</b>
AVIALL Attn: Email invoice to apinvoices@aviall.com, ACCOUNTS PAYABLE 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1426		AVIALL CENTRAL WAREHOUSE RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994
S.O. No. : 063228		Domestic AW:
Customer P. : 0045493152		Int'l AWB:
Issued Date : Aug-08-2016		Origin :
Ship Via : DROP OFF		Transpor:
F.O.B. : DESTINATION		Nationali:
Shipped Dat : Sep-05-2011		Trip/Flig :
Our Contact : MERLE LANGTON		

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	MS21071L3  Pick Ticket / Packing Slip No. : 088638 Rev: 1 Note: NUTPLATE: SELF-LKG,ST PG:50 PER LOT #: 56579 REV: 1 MFG: PAOLO ASTORI CAGE CODE: A3856	DF1	2,000.00EA (Qty. Back 0.00)	2,000.00		

THIS IS TO CERTIFY THAT THE MATERIAL(S) FORWARDED TO YOU MEET ALL THE PO, DRAWING, CHEMICAL AND PHYSICAL REQUIREMENTS AND FREE OF ANY FOREIGN OBJECT DEBRIS. AERO-GLEN, INTL. DISCLAIMS ANY RESPONSIBILITY FOR ALL MANUFACTURING OR ANY FUNCTIONAL DEFECTS AND HEREBY LIMITS EXPRESSED OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING THE MATERIAL OR REFUNDING THE INVOICE VALUE OF MATERIAL, SO ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATION OF LIABILITY. PRODUCTS HAVE NOT BEEN INTRODUCED TO MERCURY CONTAMINATION WHILE AT OUR FACILITY. THE COMMODITIES SOLD BY AERO-GLEN, INTL MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. ANY OR ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. SHALL BE DFARS 252.225-7014 ALTERNATE 1 COMPLIANT AS NOTED ON A LINE ITEM BASIS.

TYSON KAY, V.P.

Copyright (c) PENTAGON 2000 Software, Inc.  
Sor #:[2000.21078] Ver 0.00.03 Build 29

ORIGINAL (COPY)



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

**Packing Slip** Original

**Invoice #:** 148315

**Invoice Date:** 2/1/2017

**Time:** 1:30:51 PM

**Page:** 1

**To:**

AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**

AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45590243

Terms: NET 30

Order Date: 1/26/2017

# of Items: 1

Prepared By:

Sales Order: 122046

Customer #: 15195

VAT #:

Buyer: REJOE JACOB

FOB:

WO #:

Ship Via: FED EX MOTOR FREIGHT

# of Boxes: 27

Ship Via Acc:

Weight: 934

Ship Log #: 1

Ship Order:

Cust VAT #:

Ship Date: 2/1/2017

AWB:

Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	AN970-3 WASHER, AN Loc/Whse: 2F1 Control #: 16637-4 L-23972  100 PC PER PACK	36500	13500	NE				EA	

ITEM AN970-3=28



BATCH 7364473828

TDEM BY  
02/08/17

C OF C ENCLOSED  
27 BOXES 974 LBS  
INV# 148311-148320 ARE SHIPPING TOGETHER  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:



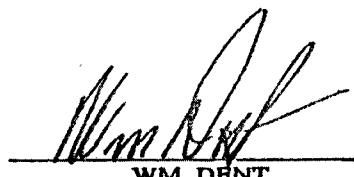
2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

### CERTIFICATE OF CONFORMANCE

### AVIALL AEROSPACE

I hereby certify that on **02/01/17** Airfasco Industries provided the supplies called for by Contract/PO Number **45590243** in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative



WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN970-3	23972	36500			



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

**Packing Slip** Original

**Invoice #:** 147655

**Invoice Date:** 12/9/2016

**Time:** 11:15:55 AM

**Page:** 1

**To:**  
AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**  
AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45560327

Terms: NET 30

Order Date: 12/7/2016

# of Items: 1

Ship Via: FED EX MOTOR FRE

Ship Via Acc: 27

Weight: 586

Prepared By:

Sales Order: 121466

Ship Log #: 1

Ship Order:

Customer #: 15195

VAT #:

Cust VAT #:

Ship Date: 12/9/2016

Buyer: REJOE JACOB

FOB:

AWB:

Shipment:

WO #:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	AN5-12A BOLT, AN Loc/Whse: 4D10 Control #: 127209-1 L-13382  10 PC PER PACK	1250	0	NE				EA	

ITEM AN5-12A=28



BATCH 7364435442

TPHONU

12/19/16

C OF C ENCLOSED  
27 BOXES 586 LBS  
INV# 147646 TO 147659 ARE SHIPPING TOGETHER  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## **CERTIFICATE OF CONFORMANCE**

## AVIALL AEROSPACE

I hereby certify that on 12/09/16 Airfasco Industries provided the supplies called for by Contract/PO Number 45560327 in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

### Quality Assurance Representative

  
WM. DENT

WM. DENT



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

**Packing Slip** Original

**Invoice #:** 148792

**Invoice Date:** 3/7/2017

**Time:** 11:47:34 AM

**Page:** 1

**To:**

AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**

AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45603455

Terms: NET 30

Order Date: 2/14/2017

# of Items: 1

Ship Via: FED EX MOTOR FREIGHT

Ship Via Acc: # of Boxes: 27

Weight: 771

Prepared By:

Sales Order: 122283

Ship Order:

Customer #: 15195

VAT #:

Ship Date: 3/7/2017

Buyer: REJOE JACOB

FOB:

AWB:

Shipment:

WO #:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	MS21042L4 NUT LOCKING, MS Loc/Whse: Loc/Whse: Control #: 154973-1 L-24384 41,800 PCS L-24385 6,000 PCS  100 PC PER PACK  LETTER	47800	0	NE				EA	

ITEM MS21042L4 = 28



BATCH 7364499269

NANUARIO  
03/14/17

C OF C ENCLOSED  
27 BOXES 771 LBS  
INV# 148790-148800 ARE SHIPPING TOGETHER  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

**Special Instructions:**

Authorized Signature:



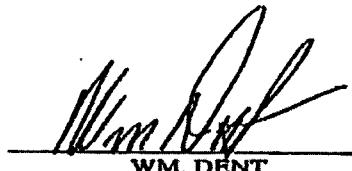
2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

### CERTIFICATE OF CONFORMANCE

### AVIALL AEROSPACE

I hereby certify that on 03/07/17 Airfasco Industries provided the supplies called for by Contract/PO Number 45603455 in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative



WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS21042L4	24384	41800	MS21042L4	24385	6000



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

**Packing Slip** Original

**Invoice #:** 149661

**Invoice Date:** 4/28/2017

**Time:** 1:43:16 PM

**Page:** 1

**To:**

AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**

AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

**Cust. PO#:** 45644209

**Terms:** NET 30

**Order Date:** 4/19/2017

**# of Items:** 1

**Ship Via:** FED EX MOTOR FRESHIP Via Acc:

**Weight:** 4112

**Prepared By:**

**Sales Order:** 123090

**Ship Order:**

**Customer #:** 15195

**VAT #:**

**Ship Date:** 4/28/2017

**Buyer:** REJOE JACOB

**FOB:**

**AWB:**

**Shipment:**

**WO #:**

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	MS21042L3 NUT, MS Loc/Whse: 5A2 Loc/Whse: BIN BOX Control #: 155063-1 L-26847 20,500 PCS L-26846 45,000 PCS  100 PC PER PACK  LETTER IN BOX	65500	34500	NE				EA	

ITEM MS21042L3=28



BATCH 7364546660

DLOGAN  
05/08/17

C OF C ENCLOSED  
21 BOXES 412 LBS  
INV# 149660-149668 ARE SHIPPING TOGETHER  
PARTS ARE MANUFACTURED IN THE USA!!  
THANK YOU!

**Special Instructions:**

**Authorized Signature:**



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## CERTIFICATE OF CONFORMANCE

### AVIALL AEROSPACE

I hereby certify that on **04/28/17** Airfasco Industries provided the supplies called for by Contract/PO Number **45644209** in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS21042L3	26847	20500	MS21042L3	26846	45000



ALIGN  
AEROSPACE

An AV/C INTERNATIONAL Company

Company  
Align Aerospace Main CDC  
21123 Nordhoff Street  
CHATSWORTH CA 91311  
USA

Page 1 of 1  
11/30/2016

# PACKING SLIP

**Sold-To-Party**

AVIALL SERVICES, INC.  
PO BOX 619048  
DALLAS TX 75261  
USA  
9724062000  
Katherine.bell@alignaero.com

**Ship-To-Party**

AVIALL CENTRAL WAREHOUSE  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

**Information**

Packing Slip No.	81482093
Document Date	11/18/2016
Customer PO No.	45499983
Customer PO Date	08/16/2016
Sales Order No.	475385
Sales Order Date	08/25/2016
Customer No.	2004461
Ship Via	Fedex ground
Shipping Conditions	Standard
Incoterms	FOB SHIPPOINT
Delivery Date	12/05/2016
Total Boxes	479
Contact Info.	

Item	Material/Description	Ordered Qty	Qty Shipped	Balance Due	Weight
123985630					
NAS1149F0663P					
WASHER,FLAT-STEEL					
Batch 0000127968					
BUYER: LANA TUMMONS/REJOE JACOB					
PO 45499983					
MULTIPLE BATCHES = SPLIT LINES					
<b>Characteristics</b>					
Cert Code at Batch Level DTE					
Country of origin of material US					
Manufacturer Name ANILLOIN					
Vendor Batch Number Z4324					
Revision of Material in batch 6					
CAGE Code - Ext mfg number					
C10630					
ITEM NAS1149F0663P = 28					
BATCH 7364438983					
NSANCHEZ 12/22/16					

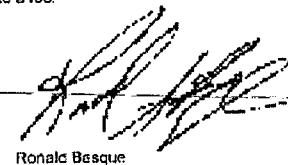
This document shown in US currency. The commodities sold by Align must be exported from USA in accordance with US Export law / regulations. Diversion contrary to USA law is prohibited. Tax ID:

These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

**CERTIFICATE OF CONFORMANCE**

The manufacturer has represented products furnished in this shipment as conforming to applicable drawings and specifications. Required supporting evidence is available at Align Aerospace or source of Purchase upon request, subject to a fee.

DIRECTOR OF QUALITY



Ronald Besque

**ANILLO Industries, Inc.**

2000 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA  
 PLEASE REMIT TO  
 P.O. BOX 5586 ORANGE, CA 92803-5586 USA  
 (714)637-7000 (652)924-6632 FAX/(714) 637-3022 CAGE CODE: 10630

**Packing List &****Certification**

WE ACCEPT

VISA/MASTER/DISCOVER/AMEX

**625905****A**

**SOLD TO** 1120  
 ALIGN AEROSPACE  
 ATTN: ACCOUNTS PAYABLE DEPT.  
 21123 NORDHOFF ST.  
 CHATSWORTH, CA 91311

**SHIP TO**  
 ALIGN AEROSPACE  
 21123 NORDHOFF ST.  
 CHATSWORTH, CA 91311

DATE ORDER REC'D	ORDER NUMBER	INVOICE DATE	SHIPPED VIA	TERMS
09/28/2016	4500091180		WILL CALL	1% 10 DAYS, NET 30

ITEM	ORDERED	SHIPPED	DESCRIPTION	NET WEIGHT
14	100,000		NAS1149F0663P <i>100,000</i> REV 6 /LOT#Z4324/QCR:1,4,6,8,16,17,30,31, ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR	

We certify that 1. Item number 1120 above is manufactured in accordance with the material and processing specifications of this order.  
 2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods.  
 No good to be returned without written authorization. All claims for defective material must be filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

&lt;&lt; R.M.A.# REQUIRED FOR RETURNS &gt;&gt;

&lt;&lt; TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE &gt;&gt;

**Certification**

STAMP

DATE SEP 28 2016

Parts manufactured are in compliance  
 with Specialty Metals requirements  
 cited in DFARS 252.225-7009  
 (formerly 252.225-7014 Preference  
 for Domestic Specialty Metals, Alt 1).

BY Ben Omidwar

Ben Omidwar, Quality Assurance Manager

FI 4.03.05

# Inspection Details

Version v3.5

[Dashboard](#)    [Search Inspections](#)    [Reports](#)
[Print Inspection Details](#)
Shipping Authorization #: **8553-44AC-8236**
 Inspected By: **Empirewide Plate**  
 Inspected On: **9/28/2016**
[Print Shipping Slip](#)


8 5 5 3 - 4 4 A C - 8 2 3 6

## Completed Inspection



The following is a completed inspection. You can not edit an inspection after it has been completed.

 Status: Complete  
 Customer: ALION AEROSPACE - CHATSWORTH  
 Supplier: AMBICO INDUSTRIES INC - ORANGE

Part #*	<u>NAC1139F0663P</u>	Dwg. Rev.:	3
		Ln#	
Component Type	Mechanical Standard Part/Standard	Quantity:	100000
Program Code	N/A	Aug?	False
Part Description	N/A		
PO #*	45000001150	PO Line Number*	34
Customer Part#	N/A	Cost Rev. Lvl.	N/A
Supplier Part#	N/A	Supplier Rev. Lvl.	N/A
Part Serial #	N/A		

Shipper #\*

895000

Shipping Date\*

09/28/2016

## Checklist

Category	Question	Response
Received	1. Does the part package provided with your order include all the required certificates (e.g. material cert, test reports, process cert, etc.) in order to comply with Alion's Purchase Order? (refer to final page of Alion PO to view cert requirements mentioned)	Yes
Received	2. Does your Certificate of Conformance (C of C) refer to the current Alion Purchase Order?	Yes
Received	3. Does your Certificate of Conformance (C of C) already list revision of the part number and extend yourself the Alion Purchase Order of the Alion Purchase Order?	Yes
Received	4. Does the part number on the Certificate of Conformance (C of C) match the part number?	Yes

# Certification

HIGHTOWER PLATING & MFG. CO.  
An Affiliate of Anillo Industries, Inc.  
2090 North Glassell st.  
Orange, CA. 92865-3391  
(714) 637-9110

*This is to certify that the below listed parts were processed per the applicable specification listed below.*

*Test reports and procedures governing this process are on file and subject to examination.*

*All parts are inspected for plating thickness by use of a X-ray. All instruments are currently calibrated and subject to examination.*

## CADMIUM PLATE AMS-QQ-P-416

Type	Class	Thickness	Revision
II	2	.000401	E

Job Number: Z4324	P/N REV.: 6	Quantity: 169,155	Visual: Y
Part Number: NAS1149 F 0663 P			Adhesion: N
Description:			

Date: 08/26/16

Authorized by: MARIBEL CUEVAS

Stamp:



FORM # 4.09.117 REV A 05/19/09



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

**Packing Slip** Original

**Invoice #:** 148114

**Invoice Date:** 12/31/2016

**Time:** 1:51:25 PM

**Page:** 1

**To:**  
AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**  
AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45583868      Terms: NET 30      Ship Via: FED EX GROUND      Ship Via Acc: 123985630  
Order Date: 1/17/2017      # of Items: 1      # of Boxes: 30      Weight: 839  
Prepared By:      Sales Order: 121884      Ship Log #: 1      Ship Order:  
Customer #: 15195      VAT #:      Cust VAT #:      Ship Date: 1/18/2017  
Buyer: REJOE JACOB      FOB:      AWB:      Shipment:  
WO #:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	AN4-13A BOLT, AN Loc/Whse: 5B1 Control #: 154436-1 L-25155  50 PC PER PACK	5000	0	NE				EA	

ITEM AN4-13A=28



BATCH 7364463339

TPHUNOSA

01/26/17

C OF C ENCLOSED  
30 BOXES 839 LBS  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:

CUST PO NO  
\*45525231SO NO  
538204FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854SHIP TO  
AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261AVIALL SERVICES, INC.  
ATTN: AP DEPT.  
P.O. BOX 619048  
DALLAS TX 752619048CUST PO NO  
\*45525231SO NO  
538204FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854SHIP TO  
AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261CUST PO NO  
\*45525231SO NO  
538204FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854SHIP TO  
AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

COMPLETE CUSTOMER PO NO.

BILL TO NO.

SHIP TO NO.

PAGE

\*45525231

ASI007

BUYER NAME &amp; PHONE NO.

LANA

LINE LOC QTY ORDERED

TOTAL QTY  
SHIPPED THIS ORDER

1 250

250

LINE LOC QTY ORDERED

TOTAL QTY  
SHIPPED THIS ORDER

2 1

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3 1

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SHIPPED THIS ORDER

## CERTIFICATION OF CONFORMANCE

WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE  
WITH AN-MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE  
OCT 19 2016

QUALITY CONTROL MANAGER

Shane R. Johnson

TOTAL WT  
10.00

NO CTNS

P = PARTIAL  
C = COMPLETE  
CC = CONSIDER COMPLETE  
CX = CANCEL

DATE SHIPPED

SHIPPED VIA

SIGNATURE - MERCHANDISE RECEIVED

X

AV

ITEM NAS6604D16 = 28

BATCH 736392536



# SAFETY DATA SHEET



Date of issue/Date of revision 11 October 2016  
Version 8

## Section 1. Identification

Product name : 515X349S BASE COMPONENT  
Product code : 515X349S BASE COMPONENT  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/mixture : Coating.  
Uses advised against : Not applicable.

Manufacturer : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711  
Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 2  
ACUTE TOXICITY (oral) - Category 4  
EYE IRRITATION - Category 2A  
CARCINOGENICITY - Category 1A  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 46.6%

### GHS label elements

## Section 2. Hazards identification

Hazard pictograms :



Signal word : Danger

Hazard statements : Highly flammable liquid and vapor.  
Harmful if swallowed.  
Causes serious eye irritation.  
May cause cancer.  
May cause drowsiness or dizziness.  
Causes damage to organs through prolonged or repeated exposure.

### Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response** : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. NTP, IARC and OSHA have classified chromium (+6) compounds as carcinogenic. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

**Hazards not otherwise classified** : Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
 Product name : 515X349S BASE COMPONENT

Ingredient name	%	CAS number
crystalline silica, respirable powder (<10 microns)	≥20 - ≤50	14808-60-7
n-butyl acetate	≥10 - ≤20	123-86-4
butanone	≥10 - ≤20	78-93-3
strontium chromate	≥10 - ≤20	7789-06-2
cyclohexanone	≥5.0 - ≤10	108-94-1
butan-1-ol	≥1.0 - <3.0	71-36-3
barium chromate	<1.0	10294-40-3
carbon black, respirable powder	≤1.0	1333-86-4

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### Description of necessary first aid measures

**Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

**Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

**Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

**Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Skin contact** : Defatting to the skin. May cause skin dryness and irritation.

**Ingestion** : Harmful if swallowed. Can cause central nervous system (CNS) depression.

##### Over-exposure signs/symptoms

## Section 4. First aid measures

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

## Section 5. Fire-fighting measures

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
halogenated compounds  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures**

- : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Special precautions**

- : Ingestion of product or cured coating may be harmful. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

**Advice on general occupational hygiene**

- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities**

- : Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
crystalline silica, respirable powder (<10 microns)	<b>OSHA PEL Z3 (United States, 2/2013).</b> TWA: 10 mg/m <sup>3</sup> / (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable TWA: 250 mppcf / (%SiO <sub>2</sub> +5) 8 hours. Form: Respirable <b>ACGIH TLV (United States, 3/2015).</b> TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction <b>OSHA PEL Z3 (United States).</b> TWA: 30 mg/m <sup>3</sup> Form: Total dust <b>ACGIH TLV (United States, 3/2015).</b> STEL: 200 ppm 15 minutes.
n-butyl acetate	

## Section 8. Exposure controls/personal protection

butanone	TWA: 150 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 710 mg/m <sup>3</sup> 8 hours. TWA: 150 ppm 8 hours. ACGIH TLV (United States, 3/2015). STEL: 885 mg/m <sup>3</sup> 15 minutes. STEL: 300 ppm 15 minutes. TWA: 590 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 590 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours. ACGIH TLV (United States, 3/2015). TWA: 0.0005 mg/m <sup>3</sup> , (measured as Cr) 8 hours. OSHA PEL Z2 (United States, 2/2013). CEIL: 1 mg/10m <sup>3</sup> OSHA PEL (United States, 2/2013). TWA: 0.005 mg/m <sup>3</sup> , (as Cr) 8 hours. ACGIH TLV (United States, 3/2015). Absorbed through skin. STEL: 50 ppm 15 minutes. TWA: 20 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 200 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. ACGIH TLV (United States, 3/2015). TWA: 20 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 300 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 3/2015). TWA: 0.01 mg/m <sup>3</sup> , (measured as Cr) 8 hours. Form: Insoluble OSHA PEL (United States, 2/2013). TWA: 0.005 mg/m <sup>3</sup> , (as Cr) 8 hours. OSHA PEL Z2 (United States, 2/2013). CEIL: 1 mg/10m <sup>3</sup> OSHA PEL (United States). TWA: 5 mg/m <sup>3</sup> ACGIH TLV (United States, 3/2015). TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction OSHA PEL (United States, 2/2013). TWA: 3.5 mg/m <sup>3</sup> 8 hours.
strontium chromate	
cyclohexanone	
butan-1-ol	
barium chromate	
carbon black, respirable powder	

### Key to abbreviations

A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.

S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value

## Section 8. Exposure controls/personal protection

R = Respirable

TWA = Time Weighted Average

Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

**Skin protection**

**Hand protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves**

: For prolonged or repeated handling, use the following type of gloves:

Recommended: neoprene

May be used: polyvinyl alcohol (PVA), Viton®, butyl rubber, nitrile rubber

**Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection**

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Section 8. Exposure controls/personal protection

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Green.
<b>Odor</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: >37.78°C (>100°F)
<b>Flash point</b>	: Closed cup: -0.56°C (31°F)
<b>Material supports combustion.</b>	: Yes.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 1.3
<b>Density ( lbs / gal )</b>	: 10.85
<b>Solubility</b>	: Insoluble in the following materials: cold water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Viscosity</b>	: Kinematic (40°C (104°F)): >0.21 cm <sup>2</sup> /s (>21 cSt)
<b>VOC</b>	: 514 g/l

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: When exposed to high temperatures may produce hazardous decomposition products.

## Section 10. Stability and reactivity

Refer to protective measures listed in sections 7 and 8.

**Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
$\alpha$ -butyl acetate	LC50 Inhalation Vapor LC50 Inhalation Vapor	Rat Rat	>21.1 mg/l 2000 ppm	4 hours 4 hours
butanone	LD50 Dermal LD50 Oral LC50 Inhalation Vapor LD50 Dermal	Rabbit Rat Rat Rabbit	>17600 mg/kg 10.768 g/kg 11243 ppm 6480 mg/kg	- - - 4 hours
strontium chromate	LD50 Oral	Rat	2737 mg/kg	-
cyclohexanone	LD50 Oral LC50 Inhalation Gas.	Rat Rat	3118 mg/kg 8000 ppm	- 4 hours
butan-1-ol	LD50 Dermal LD50 Oral LC50 Inhalation Vapor LC50 Inhalation Vapor	Rabbit Rat Rat Rat	0.948 g/kg 1.54 g/kg 24000 mg/m <sup>3</sup> 8000 ppm	- - 4 hours 4 hours
carbon black, respirable powder	LD50 Dermal LD50 Oral LD50 Dermal LD50 Oral	Rabbit Rat Rabbit Rat	3400 mg/kg 790 mg/kg >3 g/kg >15400 mg/kg	- - - -

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

#### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes**

**Respiratory**

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

#### Sensitization

#### Conclusion/Summary

**Skin**

**Respiratory**

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

#### Mutagenicity

#### Conclusion/Summary

: There are no data available on the mixture itself.

#### Carcinogenicity

#### Conclusion/Summary

: There are no data available on the mixture itself.

#### Classification

## Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
crystalline silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.
strontium chromate	+	1	Known to be a human carcinogen.
cyclohexanone	-	3	-
barium chromate	+	1	Known to be a human carcinogen.
carbon black, respirable powder	-	2B	-

### Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

### Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself.

### Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Name	Category
n-butyl acetate	Category 3
butanone	Category 3
butan-1-ol	Category 3

### Specific target organ toxicity (repeated exposure)

Name	Category
crystalline silica, respirable powder (<10 microns)	Category 1
strontium chromate	Category 2
cyclohexanone	Category 1
barium chromate	Category 2

### Target organs

: Contains material which causes damage to the following organs: blood, liver, spleen, brain, bone marrow.

Contains material which may cause damage to the following organs: kidneys, lungs, peripheral nervous system, upper respiratory tract, skin, bones, central nervous system (CNS), ears, eye, lens or cornea.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Skin contact** : Defatting to the skin. May cause skin dryness and irritation.

**Ingestion** : Harmful if swallowed. Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

## Section 11. Toxicological information

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

**Skin contact** : Adverse symptoms may include the following:  
irritation  
dryness  
cracking

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** : There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

## Section 11. Toxicological information

### Acute toxicity estimates

Route	ATE value
Oral	1389.6 mg/kg
Dermal	5165.5 mg/kg
Inhalation (gases)	47168.1 ppm
Inhalation (vapors)	64.86 mg/l
Inhalation (dusts and mists)	8.844 mg/l

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
α-butyl acetate	1.78	-	low
butanone	0.29	-	low
cyclohexanone	0.81	-	low
butan-1-ol	0.88	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Product code **515X349S BASE COMPONENT**

Date of issue 11 October 2016 Version 8

Product name **515X349S BASE COMPONENT**

## Section 13. Disposal considerations

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	II	II	II
Environmental hazards	No.	Yes.	No.
Marine pollutant substances	Not applicable.	(strontium chromate)	Not applicable.
Product RQ (lbs)	82.534	Not applicable.	Not applicable.
RQ substances	(strontium chromate, n-butyl acetate)	Not applicable.	Not applicable.

### Additional information

**DOT** : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**IMDG** : The marine pollutant mark is not required when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg.

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**Special precautions for user** : **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

### SARA 302/304

**SARA 304 RQ** : Not applicable.

### Composition/information on ingredients

No products were found.

### SARA 311/312

**Classification** : Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

### Composition/information on ingredients

## Section 15. Regulatory information

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
crystalline silica, respirable powder (<10 microns)	No.	No.	No.	No.	Yes.
n-butyl acetate	Yes.	No.	No.	Yes.	No.
butanone	Yes.	No.	No.	Yes.	No.
strontium chromate	No.	No.	No.	Yes.	Yes.
cyclohexanone	Yes.	No.	No.	Yes.	Yes.
butan-1-ol	Yes.	No.	No.	Yes.	No.
barium chromate	Yes.	No.	No.	Yes.	Yes.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.

### SARA 313

	Chemical name	CAS number	Concentration
Supplier notification	strontium chromate	7789-06-2	7 - 13
	butan-1-ol	71-36-3	1 - 5
	barium chromate	10294-40-3	0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 3 Physical hazards : 0

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 3 Instability : 0

Date of previous issue : 4/29/2016

Organization that prepared the MSDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

Product code **515X349S BASE COMPONENT**  
Product name **515X349S BASE COMPONENT**

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## Section 16. Other information

UN = United Nations

► Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

# SAFETY DATA SHEET



Date of issue/Date of revision 26 October 2016  
Version 7.02

## Section 1. Identification

Product name : 910X533 ACTIVATOR COMPONENT  
Product code : 910X533 ACTIVATOR COMPONENT  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/mixture : Hardener.  
Uses advised against : Not applicable.

Manufacturer : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 2  
ACUTE TOXICITY (oral) - Category 4  
ACUTE TOXICITY (inhalation) - Category 4  
SKIN IRRITATION - Category 2  
SERIOUS EYE DAMAGE - Category 1  
SKIN SENSITIZATION - Category 1  
TOXIC TO REPRODUCTION (Unborn child) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

### GHS label elements

## Section 2. Hazards identification

### Hazard pictograms



### Signal word

: Danger

### Hazard statements

: Highly flammable liquid and vapor.  
Harmful if swallowed or if inhaled.  
Causes serious eye damage.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Suspected of damaging the unborn child.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

#### Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### Response

: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

#### Storage

: Store locked up. Store in a well-ventilated place. Keep cool.

#### Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### Supplemental label elements

: Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

#### Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
 Product name : 910X533 ACTIVATOR COMPONENT

Ingredient name	%	CAS number
propan-1-ol	≥50 - ≤75	71-23-8
toluene	≥20 - ≤50	108-88-3
N-(3-(trimethoxysilyl)propyl)ethylenediamine	≥1.0 - ≤5.0	1760-24-3
2,4,6-tris(dimethylaminomethyl)phenol	≥1.0 - ≤5.0	90-72-2

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### Description of necessary first aid measures

**Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

**Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

**Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

**Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation** : Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Skin contact** : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

**Ingestion** : Harmful if swallowed. Can cause central nervous system (CNS) depression.

##### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness

## Section 4. First aid measures

Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

<u>Extinguishing media</u>	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

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## Section 5. Fire-fighting measures

<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
<b>Special protective actions for fire-fighters</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>Environmental precautions</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

<b>Small spill</b>	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large spill</b>	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Special precautions

: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

#### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### Conditions for safe storage, including any incompatibilities

: Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
propan-1-ol	OSHA PEL (United States, 2/2013). TWA: 500 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours. ACGIH TLV (United States, 3/2015). TWA: 100 ppm 8 hours. OSHA PEL Z2 (United States, 2/2013). AMP: 500 ppm 10 minutes. CEIL: 300 ppm TWA: 200 ppm 8 hours. ACGIH TLV (United States, 3/2015). TWA: 20 ppm 8 hours.
toluene	

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<b>Section 8. Exposure controls/personal protection</b>	

N-(3-(trimethoxysilyl)propyl)ethylenediamine 2,4,6-tris(dimethylaminomethyl)phenol	None. None.
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**Key to abbreviations**

A	= Acceptable Maximum Peak	S	= Potential skin absorption
ACGIH	= American Conference of Governmental Industrial Hygienists.	SR	= Respiratory sensitization
C	= Ceiling Limit	SS	= Skin sensitization
F	= Fume	STEL	= Short term Exposure limit values
IPEL	= Internal Permissible Exposure Limit	TD	= Total dust
OSHA	= Occupational Safety and Health Administration.	TLV	= Threshold Limit Value
R	= Respirable	TWA	= Time Weighted Average
Z	= OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances		

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Chemical splash goggles and face shield.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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## Section 8. Exposure controls/personal protection

Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid.
Color	: Clear.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: 96.67 to 316.11°C (206 to 601°F)
Flash point	: Closed cup: 7.22°C (45°F)
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.84
Density ( lbs / gal )	: 7.01
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.21 cm <sup>2</sup> /s (>21 cSt)
VOC	: 804 g/l

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

**Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
propan-1-ol	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	>9800 mg/m <sup>3</sup> 4.049 g/kg 1870 mg/kg	4 hours - -
toluene	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal	Rat Rat Rabbit	49 g/m <sup>3</sup> 8000 ppm 8.39 g/kg	4 hours 4 hours -
N-(3-(trimethoxysilyl)propyl)ethylenediamine	LD50 Oral	Rat	636 mg/kg	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Oral LD50 Dermal	Rat Rabbit	2413 mg/kg 1.28 g/kg	- -
	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

#### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

#### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

## Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself.

### Carcinogenicity

Conclusion/Summary : There are no data available on the mixture itself.

### Classification

Product/ingredient name	OSHA	IARC	NTP
toluene	-	3	-

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

### Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself.

### Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Name	Category
propan-1-ol	Category 3
toluene	Category 3

### Specific target organ toxicity (repeated exposure)

Name	Category
toluene	Category 2

### Target organs

: Contains material which causes damage to the following organs: brain.  
Contains material which may cause damage to the following organs: blood, kidneys, the reproductive system, liver, heart, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

### Aspiration hazard

Name	Result
toluene	ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

#### Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : Harmful if swallowed. Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

## Section 11. Toxicological information

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
dryness  
cracking  
blistering may occur  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**Ingestion** : Adverse symptoms may include the following:  
stomach pains  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** : There are no data available on the mixture itself. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

## Section 11. Toxicological information

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : Suspected of damaging the unborn child.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	1044.6 mg/kg
Dermal	6844.2 mg/kg
Inhalation (gases)	151214 ppm
Inhalation (vapors)	19.63 mg/l
Inhalation (dusts and mists)	50.4 mg/l

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
toluene	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
propan-1-ol	0.25	-	low
toluene	2.73	8.32	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

## Section 13. Disposal considerations

### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	II	II	II
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	2437.3	Not applicable.	Not applicable.
RQ substances	(toluene, benzene)	Not applicable.	Not applicable.

### Additional information

**DOT** : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**IMDG** : None identified.

**IATA** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

United States inventory (TSCA 8b) : All components are listed or exempted.

### SARA 302/304

SARA 304 RQ : Not applicable.

### Composition/information on ingredients

No products were found.

### SARA 311/312

Classification : Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

### Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
propan-1-ol	Yes.	No.	No.	Yes.	No.
toluene	Yes.	No.	No.	Yes.	Yes.
N-(3-(trimethoxysilyl)propyl)ethylenediamine	No.	No.	No.	Yes.	No.
2,4,6-tris(dimethylaminomethyl)phenol	No.	No.	No.	Yes.	No.

### SARA 313

Supplier notification	Chemical name	CAS number	Concentration
	: toluene	108-88-3	30 - 60

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 3 Physical hazards : 0

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPMA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 3 Instability : 0

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Organization that prepared : EHS  
the MSDS

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## Section 16. Other information

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
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► Indicates information that has changed from previously issued version.

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